

ABSTRACT

An apparatus and method for isolating an elevator car from elevator system vibrations is described. The isolation system and method comprise suspending an elevator platform from an upper portion of an elevator sling with upper tension members. In addition to being suspended from the sling by upper tension members, the elevator car platform may be secured to a lower portion of the sling from with lower tension members. The tension members preferably have an in-use frequency of vibration below the frequencies of the elevator system vibrations. In an alternative embodiment, upper vibration attenuating tension members may be used to suspend the elevator car platform and the platform may be secured to the lower portion of the sling with standard isolation mounts instead of lower tension members. The tension members employed by the present invention may be manufactured from cables containing aramid fibers, such as Kevlar® rope.